CERES Systems Engineering Committee

Members: Maria Mitchum, NASA, DMO
        Sandy Nolan, SAIC
        Jill Travers, DAAC

Charter: Serve as a forum for resolving issues which affect more than one
        working group. Report to CERES Data Management Team

February 3, 1998 1:00 pm

The minutes from January 27, 1998 were approved.

The committee discussed the following system issues:

The leapsec and utcpole files: Troy Anselmo has been running tests to verify the impact of using predicted vs. current data from the leapsec and utcpole files. A statement will come out soon which will impact the processing procedures at the DAAC.

Erika Geier has requested a name of a CERES person for QA testing during DAAC certification testing. Denise Cooper has agreed to serve in this position.

Maria and Alice Fan reviewed all of the .met files that are being generated by the CERES software code. Corrections have been noted with all of the Subsystem leads.

Maria discussed the sensor attribute with Bruce Barkstrom, where he agreed that CERES should include this attribute in the metadata. After several email communications between Tom Atwater and Alice Fan about the sensor attribute, Alice will modify the meta_util module in CERESlib to include this attribute in the CERES output product metadata. This will NOT impact our subsystem software code

A redelivery of CERESlib will occur within the next couple of weeks. It was noted that the CERESlib staff should include the subsystem codes that must be recompiled at the DAAC, and which subsystems must not be run until a redelivery is made by those subsystems.

Jill noted that a modification to the Subsystem 1 wrapper script (written to ease manual operational steps) must be made to insure that the screen output captured by CODINE is not overwritten in the event of reprocessing.

Sandy noted that the Configuration Codes being used by previous PGEs are getting very unpredictable and some measures should be taken to coordinate these numbers for the entire processing system, prior to the LaTIS database construction. All subsystems are urged to return to the suggested Configuration Code of '000000' for the time being.

Jill reported that Mr. Bob Seals has developed a detail DAAC processing schedule in order to meet the DMT milestones for output products. With the increasing number of unscheduled redeliveries of the software and CERESlib, Mr. Seals has requested that the DMT revisit the Production Milestone chart. Mr. Jim Kibler will be made aware of this request.

Jill reported that the ECS, Drop 3, system will arrive at the DAAC on Feb. 11. This will be turned over to the DAAC on Feb. 23. There will be 2 weeks of testing by the DAAC personnel, and by mid-March SSI&T should then begin for Subsystems 1, 2, 3, and CERESlib. Denise Cooper joined the SE meeting and reported that the Subsystem 1 should be ready to be tested by then. Jill encouraged Denise to keep TRMM deliveries separate from EOS-AM-1 deliveries to ECS, noting that there will be differences in PCF file generation, file staging, etc. It was also noted that problems that might occur for AM SSI&T on ECS might interfere with scheduled deliveries and production on LaTIS if all deliveries were made to LaTIS and then ported to ECS. It is noted that while separate deliveries are made, one set of source code, could be maintained long term. Jill emphasized that the LaTIS system and the ECS system are on different networks and currently due to ECS security will not be able to share data files via NFS mounted file systems. Denise expressed great concern in the uncertainty of the source and location of the ephemeris and attitude data. Jill will report this concern to Christine Harbison, for clarification. Maria and Jill plan to get together to discuss the format and procedure of setting up the Production Rules for ECS. Drop 4 of the ECS system is expected in April. This system will include more flexibility in the Production Rules. The ECS white paper 'Game Plan', 212-WP-002-001, can be found on the WEB at the EDHS home page describing all of the drops, dates and ECS support features.

Meeting adjourned 2:30 mvm.